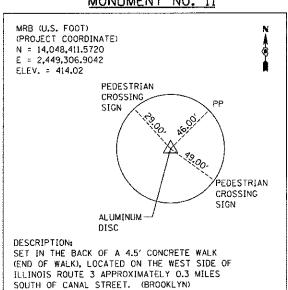
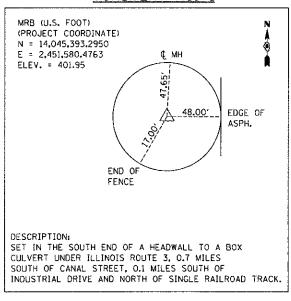


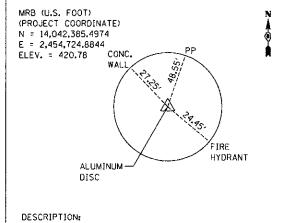
# MONUMENT NO. 11



# MONUMENT NO. 8



# MONUMENT NO. 10



DESCRIPTION:
SET IN THE CONCRETE MEDIAN ON THE EAST SIDE OF ROUTE 3 (ST. CLAIR AVE.) BETWEEN TWO RAILROAD BRIDGES. APPROXIMATELY 0.1 MILE SOUTH OF 1ST STREET (IN FRONT OF 301 ST. CLAIR AVE. WAREHOUSE & STORE FIXTURE CO.)

## COORDINATE SYSTEM

THE MISSISSIPPI RIVER BRIDGE (MRB) PROJECT COORDINATE SYSTEM IS BASED ON A MODIFIED UNIVERSAL TRANSVERSE MERCATOR (UTM) SYSTEM. THE MRB PROJECT COORDINATE SYSTEM HAS CONVERTED FROM UTM ZONE 15 NORTH BY AN AVERAGE PROJECTION FACTOR AND ALSO CONVERTED FROM METERS TO U.S. SURVEY FEET.

### HORIZONTAL DATUM

THE DATUM USED IS NAD-83

THE MRB PROJECT COORDINATES HAVE BEEN TRANSFORMED FROM UTM BY USING AN AVERAGE PROJECTION FACTOR IN THE PROJECT AREA.

AVERAGE GRID FACTOR = 1.000339495 PROJECTION FACTOR = 1/GRID = 0.999660620

THE BASE POINT THAT ALL UTM COORDINATES WERE SCALED FROM WAS THE CENTRALLY LOCATED MONUMENT NO. 10. EACH VECTOR FROM MONUMENT NO. 10 TO ALL OTHER MONUMENTS WAS MULTIPLIED BY THE PROJECTION FACTOR TO CALCULATE A SURFACE VECTOR AND THEN THIS SURFACE VECTOR WAS USED TO CALCULATE THE SURFACE COORDINATE (MRB). (NOTE: 1 METER EQUALS 3.28083333 U.S. SURVEY FOOT).

UTM ZONE 15 NORTH (METERS) = PROJECTED GRID COORDINATES MRB (FEET) = PROJECT SURFACE COORDINATES

### VERTICAL DATUM

THE DATUM USED IS NAVD 1988

E & L					, h-h-n-h-n-n-n-n-n-n-n-n-n-n-n-n-n-n-n-n			
F 99 F	(LE NAME =	USER NAME = \$USER\$	DESIGNED - JB	REVISED -	STATE OF ILLINOIS	ALIGNMENTS, TIES &	F.A.P. SECTION	COUNTY TOTAL SHEET
7 N 4	FILEL\$		DRAWN - JB	REVISED -	DEPARTMENT OF TRANSPORTATION	BENCHMARKS 10	RIE.	SHEETS NO.
20 Z	The A Accordance Inc	PLOT SCALE # #SCALE\$	CHECKED - ACL	REVISED -			330 1 82-18	SI, CLAIR 294 33
.VD8	FEND ENGINEERS ASSOCIATES, TRE. ENGINEERS ASSOCIATES TRE. CHICAGO, ILLINOIS	PLOT DATE = \$DATE\$	DATE - 06/29/12	REVISED -	I-70 CONNECTION	SCALE: 1"=500" SHEET NO. 10 OF 30 SHEETS STA. TO STA.	FED. ROAD DIST, NO. JILLINGIS FED. A	ID PROJECT